



Recovery Act Update

Department of Energy
Richland Operations Office
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Presented to:
Oregon Hanford Cleanup Board

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Recovery Act Program





ARRA Site Overview

- **\$1.635 billion in funding received**
 - CH2M HILL Plateau Remediation Company: \$1,359.7 million
 - Washington Closure Hanford: \$253.6 million
 - Other Service Contracts: \$21.2 million
- **\$501,493,469 spent as of June 8, 2010**
- **Subcontracting**
 - CH2M HILL Plateau Remediation Company
 - Awarded \$471 million in subcontracts to 481 companies, including \$8.8 million to 17 Oregon subcontractors
 - Washington Closure Hanford
 - Awarded \$70.2 million in subcontracts to 82 companies, including \$2 million to 2 Oregon subcontractors
(Scout Industries, Pendleton; Geophysical Survey, Portland)



ARRA Site Overview – Jobs

- Total Lives Touched 3/31/2010: 5,197
- Total FTEs for Q1 2010: 2,486



First 100 grads from HAMMER training facility



Key Progress/Accomplishments

**Through May 2010*

- Removed 55 glove boxes from the Plutonium Finishing Plant (PFP)
- Initiated preparations for U Canyon deck demolition
- Completed 234 new groundwater wells
- Began construction of new pump-and-treat facilities
- Shipped 973 cubic meters of low-level/mixed low-level waste to treatment facilities
- Retrieved 431 cubic meters of suspect transuranic waste





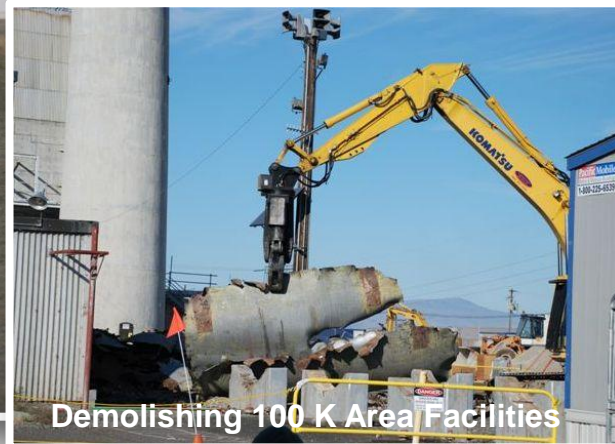
Key Progress/Accomplishments (continued)

**Through May 2010*

- Completed excavation of 1.7 million cubic yards for Super Cell 9 at Environmental Restoration Disposal Facility (ERDF), began Admix layer
- Nearing completion of excavation on an estimated 1.6 million cubic yards for Super Cell 10 at ERDF
- Nearing completion of demolition of 183KW Sedimentation Basin (~300,00 sq ft)
- Completed cone penetrometer installation at the 618-10 Burial Ground



618-10 Burial Ground



Demolishing 100 K Area Facilities



ERDF Super Cell 9



D&D at Plutonium Finishing Plant





Retrieving Transuranic Waste





Building Groundwater Treatment Systems



Construction has begun on 2 new pump-and-treat facilities, which will quadruple the treatment capacity at the site from 50 million gallons per month to more than 200 million gallons per month





Demolishing Buildings 200 North Area



212-R August 2009



212-P October 2009



212-P November 2009



212-N September 2009



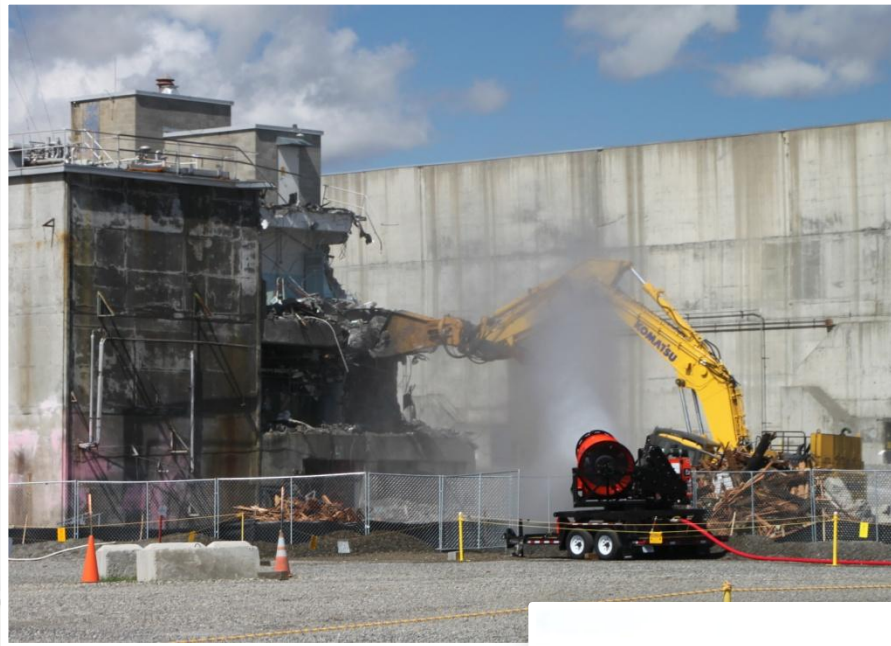
212-R August 2009



212-NPR March 2010

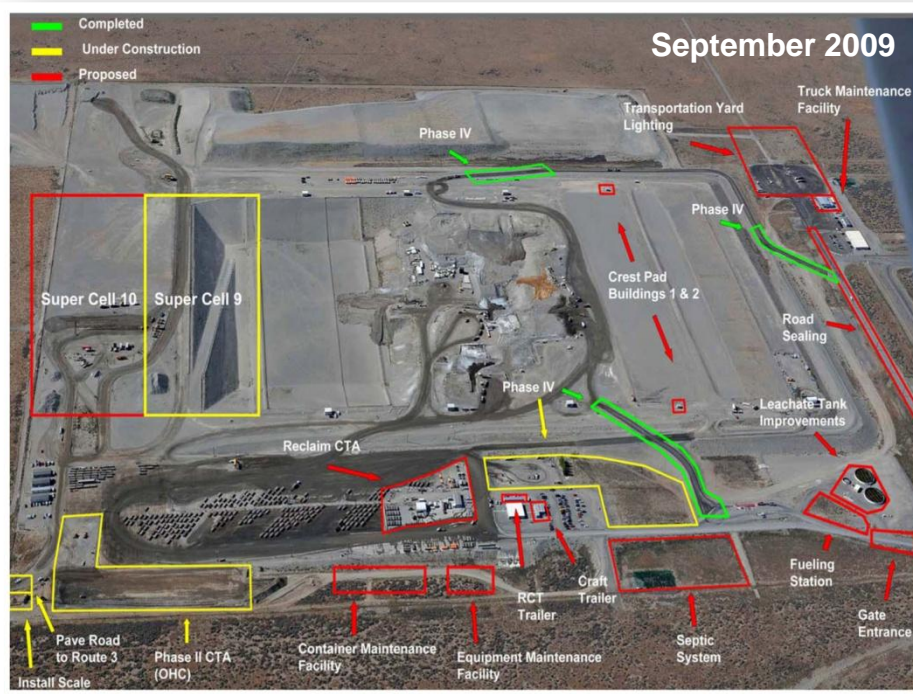


Demolishing U Canyon Ancillary Buildings





Expanding ERDF





Demolishing Facilities 100K Area



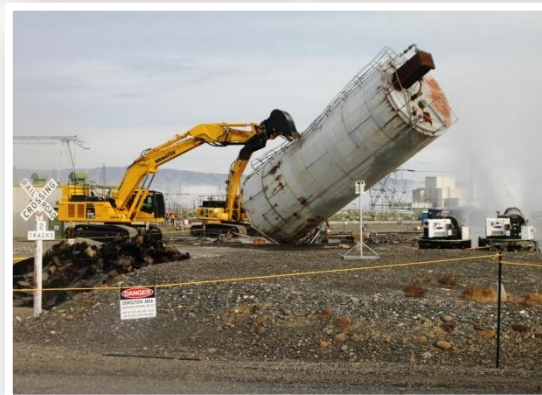
183-KW Sedimentation Basin – October 2009



183-KW – April 2010



100K West water treatment facilities





Characterizing 618-10 Burial Ground



1961 Workers unloading cask at the 618-10 Burial Ground



A soil sampling mockup



Taking soil samples to characterize the waste



Key Progress/Accomplishments

Metrics	Through End of May	Target Through 9/30/11
Total Facilities Demolished	22	64
• Nuclear Facilities Demolished	1	3
• Radioactive Facilities Demolished	5	18
• Industrial Facilities Demolished	16	43
Facility Square Footage Demolished	62,688	294,323
Waste Sites Remediated	19	65
Glove Boxes Removed from Plutonium Finishing Plant	55	170
Groundwater Wells Installed	234	265
Cubic Meters Solid Waste Retrieved (suspect-transuranic) from Underground Storage	431	2,500
Cubic Meters Transuranic Waste Repackaged for Certification for Shipment to Waste Isolation Pilot Plant	282	850
Cubic Meters Mixed, Low-Level Waste Treated	641	1,800

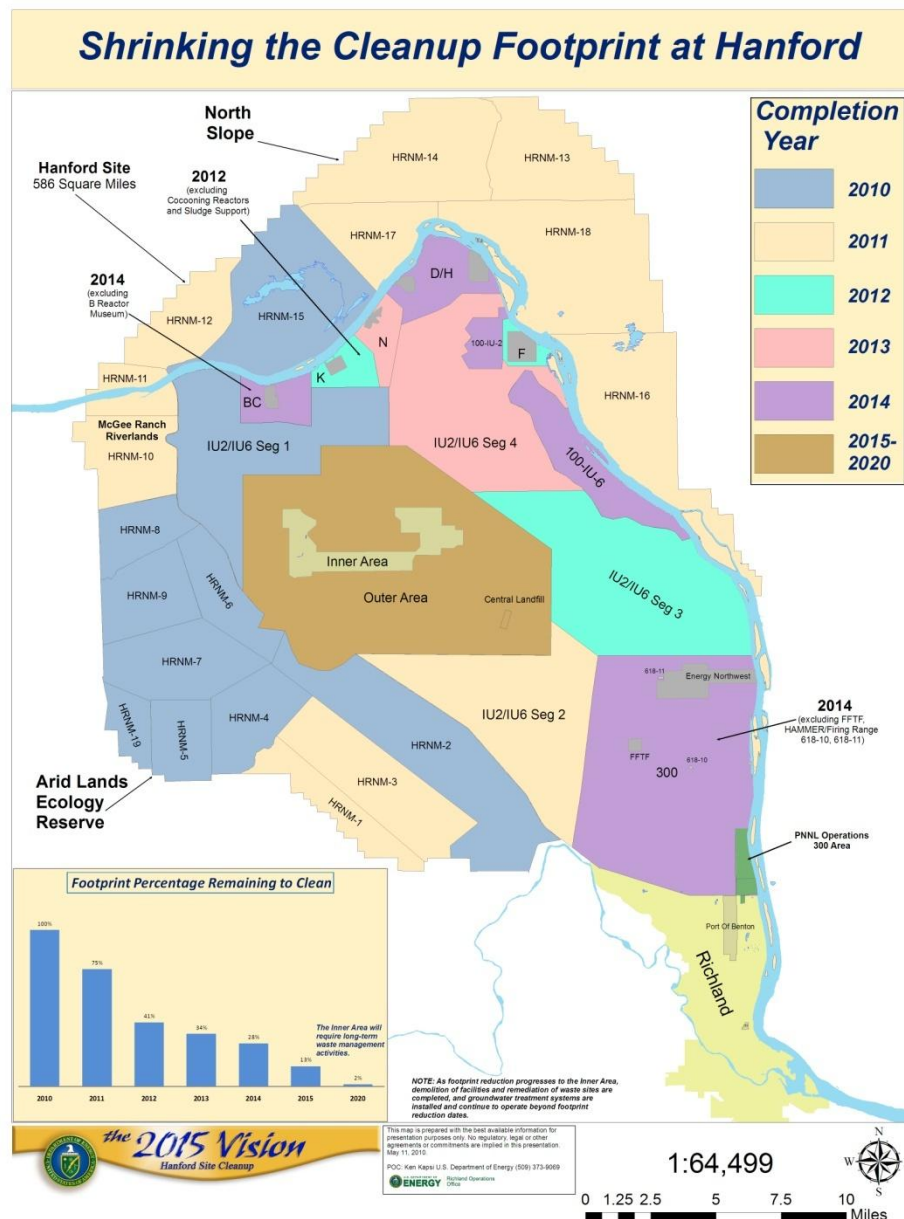


Reducing Hanford's Cleanup Footprint

Cleanup footprint in 2009: 586 sq. mi.

Planned Cleanup footprint reduction:

- 45-60% by end of FY 2011
- 85-90% by end of FY 2015





Planning for Post-ARRA Funded Cleanup

- **All ARRA work originally planned will be completed before the end of fiscal year 2011, as scheduled**
- **Work efficiencies (getting work done faster and/or at a lower cost than projected) are allowing DOE to fund additional projects through the end of fiscal year 2012**
- **DOE field offices are proposing options for reducing the Hanford Site workforce when ARRA projects are completed**



More Information

- <http://www.hanford.gov/>
- <http://www.hanford.gov/Recovery>